

CLAIMS

1. System for checking at least one status parameter of a tyre for a motor vehicle, comprising:

- at least one tyre wheel comprising a tyre mounted on a mounting rim,

- a device for measuring said at least one status parameter associated with said wheel;

- a transmission device designed to transmit a signal indicating the value measured by said measuring device;

- a receiving device designed to receive said signal indicating the value measured by said measuring device,

characterized in that it comprises a sensor for sensing the movement of said wheel, designed to enable energization of said transmission device when said wheel is moving.

2. System according to Claim 1, characterized in that said measuring device is associated with an inner tube inserted in said wheel.

3. System according to Claim 1, characterized in that said measuring device is inserted in said mounting rim.

4. System according to Claim 1, characterized in that said movement sensor is an accelerometric switch.

5. System according to Claim 2, characterized in that

said transmission device is inserted in a wall of said inner tube in a radially internal position.

- 5 6. System according to Claim 2, characterized in that
said transmission device is inserted in a bush fixed
in the wall of said inner tube.
- 10 7. System according to Claim 1, characterized in that
said transmission device, said measuring device and
said movement sensor are housed in the same
container.
- 15 8. System according to Claim 1, characterized in that
said device for measuring at least one status
parameter is a pressure sensor.
- 20 9. System according to Claim 1, characterized in that
said device for measuring at least one status
parameter of a tyre is a temperature sensor.
- 25 10. System according to Claim 1, characterized in that
said transmission device comprises a power supply
battery, a device for measuring the voltage of said
battery and transmits the value of the measured
voltage by means of a radiofrequency signal.
- 30 11. System according to Claim 1, characterized in that
it further comprises a device for displaying said
signal indicating the value measured by said
measuring device.
- 35 12. System according to Claim 2, characterized in that
it comprises an inner tube with at least two
compartments which are separate from each other and
each provided with said measuring device.

13. Tyre wheel for vehicles, comprising:

- a tyre mounted on a corresponding mounting rim,

- a device for measuring at least one status parameter of said tyre associated with said wheel,

- a transmission device designed to transmit a signal indicating the value measured by said measuring device,

characterized in that it comprises a sensor for sensing the movement of said wheel, designed to enable energization of said transmission device when said wheel is moving.

14. Wheel according to Claim 13, characterized in that said measuring device is associated with an inner tube inserted in said wheel.

15. Wheel according to Claim 13, characterized in that said measuring device is inserted in said mounting rim.

16. Wheel according to Claim 13, characterized in that said movement sensor is an accelerometric switch.

17. Wheel according to Claim 13, characterized in that said device for measuring at least one status parameter of a tyre is a pressure sensor.

18. Wheel according to Claim 13, characterized in that said device for measuring at least one status parameter of a tyre is a temperature sensor.

19. Wheel according to Claim 13, characterized in that

said transmission device, said measuring device
and said movement sensor are housed in the same
container.

- 5 20. Sensor for measuring at least one status parameter
of a tyre wheel for a motor vehicle, said wheel
comprising a tyre mounted on a mounting rim,
comprising:
- 10 - a device for measuring at least one status
parameter of said tyre,
- 15 - a transmission device designed to transmit a
signal indicating the value measured by said
measuring device,
- 20 characterized in that it comprises a sensor for
sensing the movement of said wheel, designed to
enable energization of said transmission device when
said wheel is moving.
- 25 21. Sensor according to Claim 20, characterized in that
it is associated with an inner tube inserted in said
wheel.
- 30 22. Sensor according to Claim 20, characterized in that
it is inserted in said mounting rim.
- 35 23. Sensor according to Claim 20, characterized in that
it is inserted from the outside in said mounting
rim.
24. Sensor according to Claim 20, characterized in that
said transmission device, said measuring device and
said movement sensor are housed in the same
container.